				T = 2 = 7 = 7 = 7 =
-	193	M-16 and rifle	USPAT;	2002/07/26
	7	W 16 and (soloston additak)	US-PGPUB	14:04
-	·	M-16 and (selector adj switch)	USPAT;	14:15
_	1	(four adj position adj selector adj	US-PGPUB USPAT;	2002/07/26
	*	switch) and gun	US-PGPUB	14:17
_	507816	89/140 and selector switch	USPAT;	2002/07/26
	30,010	oy, ito and beleded switch	US-PGPUB	14:17
_	8	89/140 and (selector adj switch)	USPAT;	2002/07/26
		00,000 000 (0000000 00)	US-PGPUB	14:17
_	13	("1028032"   "2383487"   "3292492"	USPAT	2002/07/26
		"3446114"   "3715954"   "3724325"		14:31
		"3774500"   "3847054"   "4002101"		
İ		"4117761"   "4697495"   "4833970"		1
	-	"5251533").PN.		
-	14	"4116193"	USPAT;	2002/07/26
			US-PGPUB	15:13
-	1	4116193.pn.	USPAT;	2002/07/26
			US-PGPUB	15:13
-	5	("0398130"   "1057171"   "1677810"	USPAT	2002/07/26
		"2312244"   "3474560").PN.		15:13
_	12	4116193.URPN.	USPAT	2002/07/26
!	7.	124/0 3 (1-3/	110775	15:14
-	72	124/\$.ccls. and (bolt same hollow)	USPAT;	2004/04/15
	1.1	/#1266764#   #1200001#   #2662720#	US-PGPUB	11:37
-	11	("1266764"   "1299901"   "3662729"	USPAT	2004/04/15
		"5280778"   "5462042"   "5505188"		11:21
		"5572982"   "5655510"   "5673679"   "5823173"   "5881707").PN.		
_	E E O		HCDAT.	2004/04/15
-	559	124/\$.ccls. and piston	USPAT; US-PGPUB	11:38
_	306863	pile driver	USPAT;	2004/04/15
	300003	bire direct	US-PGPUB	11:38
_	2177	pile and driver	USPAT;	2004/04/15
	21,,	paar www waaroa	US-PGPUB	11:38
-	177	(124/\$.ccls. and piston) and bolt	USPAT;	2004/04/15
		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	US-PGPUB	11:39
-	1089	124/\$.ccls. and (weighted bolt)	USPAT;	2004/04/15
			US-PGPUB	11:39
-	0	124/\$.ccls. and (weighted adj bolt)	USPAT;	2004/04/15
			US-PGPUB	11:40
-	0	124/\$.ccls. and (weighted near bolt)	USPAT;	2004/04/15
			US-PGPUB	11:40
-	7	124/\$.ccls. and (weight\$ near bolt)	USPAT;	2004/04/15
			US-PGPUB	11:48
-	225	124/\$.ccls. and recoil	USPAT;	2004/04/15
	_	/104/0	US-PGPUB	11:48
_	2	(124/\$.ccls. and recoil ) and (recoil	USPAT;	2004/04/15
		near simulate)	US-PGPUB	11:51
-	2	[	USPAT;	2004/04/15
_	8	near generate) (124/\$.ccls. and recoil ) and (recoil	US-PGPUB	11:58
-	8		USPAT; US-PGPUB	2004/04/15
_	0	near (generat\$ or simulat\$)) (124/\$.ccls. and recoil ) and (recoil	US-PGPUB USPAT;	2004/04/15
		near (imitat\$))	US-PGPUB	12:03
_	0	(124/\$.ccls. and recoil ) and (recoil	USPAT;	2004/04/15
		near (reproduce))	US-PGPUB	12:04
_	0	(124/\$.ccls. and recoil ) and (recoil	USPAT;	2004/04/15
		near (propogate))	US-PGPUB	12:05
-	0	(124/\$.ccls. and recoil ) and (recoil	USPAT;	2004/04/15
		near (produce))	US-PGPUB	12:05
-	88	89/14.5.ccls.	USPAT;	2004/04/19
			US-PGPUB	15:33
-	34	89/14.5.ccls. and recoil	USPAT;	2004/04/20
			US-PGPUB	10:14
-	8	(("2151521") or ("2980096") or	USPAT;	2004/04/20
1		("3741189") or ("3782359") or ("4004566")	US-PGPUB	10:18
		or ("4422433") or ("4986251") or		
	L	("6470871")).PN.	<u> </u>	

	T 19	(("3049977") or ("4083349") or	USPAT;	2004/04/20 .
-	19	("4116193") or ("4819609") or ("5063905")	US-PGPUB	10:25
		or ("5150701") or ("5341790") or	05 70705	10.23
		("5400536") or ("5462042") or ("5515838")		
		or ("5586545") or ("5592931") or		
		("5613483") or ("5660159") or ("5680853")		
		or ("5709199") or ("5711286") or		
	2.4	("5771875") or ("5913303")).PN.	anam	2004/04/20
-	34	434/18.ccls.	USPAT;	2004/04/20
1_	103313	gun or pistal or firearm	US-PGPUB USPAT:	11:39
-	103313	gun of piscal of filearm	US-PGPUB	11:39
_	108948	gun or pistol or firearm	USPAT;	2004/04/20
		Jan 12 Paris	US-PGPUB	11:39
_	2998	(gun or pistol or firearm) and recoil	USPAT;	2004/04/20
			US-PGPUB	11:39
-	3294	(gun or pistol or firearm) and recoil\$	USPAT;	2004/04/20
			US-PGPUB	11:40
-	1799	((gun or pistol or firearm) and recoil\$)	USPAT;	2004/04/20
1_	103	<pre>and (enhanc\$ or simulat\$ or approximat\$) (((gun or pistol or firearm) and recoil\$)</pre>	US-PGPUB USPAT;	11:40
	103	and (enhanc\$ or simulat\$ or approximat\$))	USPAT; US-PGPUB	11:41
1		and (recoils near (enhancs or simulats or	US FGFUB	14.34
	1	approximat\$))		
_	78		USPAT;	2004/04/20
	1	recoil\$) and (enhanc\$ or simulat\$ or	US-PGPUB	11:41
		approximat\$)) and (recoil\$ near (enhanc\$		
		or simulat\$ or approximat\$))) and (bolt		
		or driver or piston or mass)		
-	56	1 , , , , , ,	USPAT;	2004/04/20
		recoil\$) and (enhanc\$ or simulat\$ or	US-PGPUB	11:50
		approximat\$)) and (recoil\$ near (enhanc\$ or simulat\$ or approximat\$))) and (bolt		
		or driver or piston or mass)) and spring		
_	22		USPAT;	2004/04/20
		recoil\$) and (enhanc\$ or simulat\$ or	US-PGPUB	11:52
		approximat\$)) and (recoil\$ near (enhanc\$		
		or simulat\$ or approximat\$))) and (bolt		
		or driver or piston or mass)) not		
		((((((gun or pistol or firearm) and		
		recoil\$) and (enhanc\$ or simulat\$ or approximat\$)) and (recoil\$ near (enhanc\$		
		or simulat\$ or approximat\$))) and (bolt		
		or driver or piston or mass)) and spring)		
-	25		USPAT;	2004/04/20
		recoil\$) and (enhanc\$ or simulat\$ or	US-PGPUB	11:54
		approximat\$)) and (recoil\$ near (enhanc\$		
		or simulat\$ or approximat\$))) not		
}		(((((gun or pistol or firearm) and		
		recoil\$) and (enhanc\$ or simulat\$ or approximat\$)) and (recoil\$ near (enhanc\$		
		or simulat\$ or approximat\$))) and (bolt		
		or driver or piston or mass))		
_	225	124/\$.ccls. and recoil	USPAT;	2004/04/20
		_	US-PGPUB	11:55
-	169	(124/\$.ccls. and recoil) and (bolt or	USPAT;	2004/04/20
		piston or mass)	US-PGPUB	12:22
-	2778	light and bulb and mesh	USPAT;	2004/04/20
	67.5	(14 mbs 4 b 1 b 4 b 1 c 2 c	US-PGPUB	12:22
-	676	(light and bulb and mesh ) and (mill or	USPAT;	2004/04/20
_	479	plant)   362/374.ccls.	US-PGPUB USPAT;	12:28   2004/04/20
	3/3	JUL/J/7.CC13.	US-PGPUB	12:29
_	543	362/375.ccls.	USPAT;	2004/04/20
			US-PGPUB	12:30
-	588	434/16-24.ccls.	USPAT;	2004/04/21
	]		US-PGPUB	08:25

L	Hits	Search Text	DB	Time stamp
Number	nits		DB	Time Stamp
169	3	("2708319"   "4480999"   "4829877").PN.	USPAT	2004/04/21 08:18
170	4	2708319.URPN.	USPAT	2004/04/21
171	4	4829877.URPN.	USPAT	08:18 2004/04/21 08:19
379	75	434/16-24.ccls. and recoil	USPAT;	2004/04/21
380	0	434/16-24.ccls. and (bolt adj driver)	US-PGPUB USPAT;	08:25
381	108	bolt adj driver	US-PGPUB USPAT; US-PGPUB	08:28 2004/04/21 08:29
382	53	(bolt adj driver) and (munition or gun or	USPAT;	2004/04/21
378	588	arm or firearm or weapon) 434/16-24.ccls.	US-PGPUB USPAT;	08:29
383	13	2023497.URPN.	US-PGPUB USPAT	08:40 2004/04/21
_	7399	124/\$.ccls.	USPAT; US-PGPUB	08:50 2002/07/26 15:13
_	697	124/\$.ccls. and (gas or fluid or (paint adj ball))	USPAT; US-PGPUB	2002/07/24 14:45
-	194		US-PGPUB US-PGPUB	14:45 2002/07/24 14:46
-	129	((124/\$.ccls. and (gas or fluid or (paint adj ball))) and bolt) and valve	USPAT; US-PGPUB	2002/07/24
-	110	(((124/\$.ccls. and (gas or fluid or (paint adj ball))) and bolt) and valve)	USPAT; US-PGPUB	2002/07/24
_	23	and spring ((((124/\$.ccls. and (gas or fluid or	USPAT;	2002/07/24
		(paint adj ball))) and bolt) and valve) and spring) and recoil	US-PGPUB	15:26
_	213	124/72	USPAT; US-PGPUB	2002/07/24 15:26
-	5	"5711286" 	USPAT; US-PGPUB	2002/07/25 15:08
-	1	5711286.pn.	USPAT; US-PGPUB	2002/07/25 15:08
-	1	5711286.pn. and "505"	USPAT; US-PGPUB	2002/07/25 15:21
-	1	5771875.pn.	USPAT; US-PGPUB	2002/07/25 15:21
_	1664	124/63-76,70-77,40,51.1,82,45,48.ccls.	USPAT; US-PGPUB	2002/07/26 12:49
-	3	124/63-76,70-77,40,51.1,82,45,48.ccls. and (operating adj rod)	USPAT; US-PGPUB	2002/07/26 12:51
_	0	124/63-76,70-77,40,51.1,82,45,48.ccls. and (saftey and automatic and semi)	USPAT; US-PGPUB	2002/07/26 12:51
-	0	124/63-76,70-77,40,51.1,82,45,48.ccls. and saftey	USPAT; US-PGPUB	2002/07/26 12:51
_	0	124/63-76,70-77,40,51.1,82,45,48.ccls. and saftey	USPAT; US-PGPUB	2002/07/26 12:51
-	229	124/63-76,70-77,40,51.1,82,45,48.ccls. and safety	USPAT; US-PGPUB	2002/07/26 12:51
-	42	(124/63-76,70-77,40,51.1,82,45,48.ccls. and safety) and semi	USPAT; US-PGPUB	2002/07/26 12:51
-	24	((124/63-76,70-77,40,51.1,82,45,48.ccls. and safety) and semi) and fully	USPAT; US-PGPUB	2002/07/26
_	8	(((124/63-76,70-77,40,51.1,82,45,48.ccls. and safety) and semi) and fully) and rate	USPAT; US-PGPUB	2002/07/26 12:56
-	193	124/63-76,70-77,40,51.1,82,45,48.ccls. and magazine	USPAT; US-PGPUB	2002/07/26
-	38	(124/63-76,70-77,40,51.1,82,45,48.ccls. and magazine) and pawl	USPAT; US-PGPUB	2002/07/26 12:56
-	23	((124/63-76,70-77,40,51.1,82,45,48.ccls. and magazine) and pawl) and operator	USPAT; US-PGPUB	2002/07/26 12:56
-	15	(((124/63-76,70-77,40,51.1,82,45,48.ccls. and magazine) and pawl) and operator) and	USPAT; US-PGPUB	2002/07/26 12:57
L		index		

-	16005	42/\$.ccls.	USPAT;	2002/07/26
			US-PGPUB	12:57
_	10	42/\$.ccls. and saftey	USPAT;	2002/07/26
ł		12, 7, 2022 1 1	US-PGPUB	12:58
1_	1564	42/\$.ccls. and safety	USPAT;	2002/07/26
	1301	12/V.CCIS. and Salecy	US-PGPUB	12:58
	389	(42/\$.ccls. and safety) and semi		
-	309	(42/\$.ccis. and safety) and semi	USPAT;	2002/07/26
	225		US-PGPUB	12:58
-	335	((42/\$.ccls. and safety) and semi) and	USPAT;	2002/07/26
i		automatic	US-PGPUB	12:58
-	7	(((42/\$.ccls. and safety) and semi) and	USPAT;	2002/07/26
İ		automatic) and cyclic	US-PGPUB	13:00
-	43	42/\$.ccls. and selector adj switch	USPAT;	2002/07/26
			US-PGPUB	13:00
-	43	42/\$.ccls. and (selector adj switch)	USPAT;	2002/07/26
		,  ,	US-PGPUB	13:02
_	22	(42/\$.ccls. and (selector adj switch))	USPAT;	2002/07/26
		and safety	US-PGPUB	13:03
	15	t		
-	15	((42/\$.ccls. and (selector adj switch))	USPAT;	2002/07/26
l	_	and safety) and automatic	US-PGPUB	13:03
-	7	((124/63-76,70-77,40,51.1,82,45,48.ccls.	USPAT;	2002/07/26
		and magazine) and pawl) and rate	US-PGPUB	13:05
-	7	(((124/63-76,70-77,40,51.1,82,45,48.ccls.	USPAT;	2002/07/26
		and magazine) and pawl) and rate) and	US-PGPUB	13:05
	1	rate		
_	6	(((42/\$.ccls. and (selector adj switch))	USPAT;	2002/07/26
	1	and safety) and automatic) and rate	US-PGPUB	13:09
1_	235	42/66,70.01,70.04,70.05,70.06,70.08.ccls.	USPAT;	2002/07/26
	233	and slide	US-PGPUB	13:10
	1181	42/66,70.01,70.04,70.05,70.06,70.08.ccls.		
-	1101	42/66,70.01,70.04,70.05,70.06,70.06.0018.	USPAT;	2002/07/26
	110	40/66 70 01 70 04 70 05 70 06 70 00	US-PGPUB	13:11
-	118	42/66,70.01,70.04,70.05,70.06,70.08.ccls.	USPAT;	2002/07/26
ļ		and semi	US-PGPUB	13:14
-	14	42/66,70.01,70.04,70.05,70.06,70.08.ccls.	USPAT;	2002/07/26
1		and fully near automatic	US-PGPUB	13:14
i -	14	42/66,70.01,70.04,70.05,70.06,70.08.ccls.	USPAT;	2002/07/26
		and (fully near automatic)	US-PGPUB	13:23
_	162	89/128	USPAT;	2002/07/26
			US-PGPUB	13:25
_	751	89/128,129.01,129.02,131,132,140,142,148.c		2002/07/26
	/51	03/120,123.01,123.02,131,132,140,142,140.0	US-PGPUB	13:25
	99	00/100 100 01 100 00 101 100 140 140 1		l
-	99	89/128,129.01,129.02,131,132,140,142,148.c		2002/07/26
		and semi	US-PGPUB	13:25
_	72	(89/128,129.01,129.02,131,132,140,142,148.		2002/07/26
		and semi) and full	US-PGPUB	13:25
_	104823	"72" and safety	USPAT;	2002/07/26
			US-PGPUB	13:26
-	47	((89/128,129.01,129.02,131,132,140,142,148	. USPAT;	2002/07/26
	1	and semi) and full) and safety	US-PGPUB	13:39
-	165	89/140	USPAT;	2002/07/26
			US-PGPUB	13:41
-	1	89/140 and "900"	USPAT;	2002/07/26
		,	US-PGPUB	13:42
l _	46	89/\$.ccls. and 42/\$.ccls. and 124/\$.ccls.	USPAT;	2002/07/26
	30	05/4.0015. and 42/4.0015. and 124/4.0015.		
	20070	00/0 ==1= == 40/0 ==1= == 104/0 == 1	US-PGPUB	13:42
-	38979	89/\$.ccls. or 42/\$.ccls. or 124/\$.ccls.	USPAT;	2002/07/26
			US-PGPUB	13:42
-	230	(89/\$.ccls. or 42/\$.ccls. or 124/\$.ccls.)	USPAT;	2002/07/26
	<b>.</b>	and "900"	US-PGPUB	13:42
-	1	((89/\$.ccls. or 42/\$.ccls. or	USPAT;	2002/07/26
	]	124/\$.ccls.) and "900") and (round adj	US-PGPUB	13:43
	1	per adj minute)		
-	6	(89/\$.ccls. or 42/\$.ccls. or 124/\$.ccls.)	USPAT;	2002/07/26
		and (round adj per adj minute)	US-PGPUB	13:45
_	110	(89/\$.ccls. or 42/\$.ccls. or 124/\$.ccls.)	USPAT;	2002/07/26
	110	and selector adj switch	US-PGPUB	13:45
I _				
-	3	((89/\$.ccls. or 42/\$.ccls. or	USPAT;	2002/07/26
		124/\$.ccls.) and selector adj switch) and	US-PGPUB	13:57
		((selector adj switch) near safety)		
-	629	M-16	USPAT;	2002/07/26
			US-PGPUB	13:57